

# SLC38A9 Polyclonal antibody

Catalog Number: 21871-1-AP

## Basic Information

**Catalog Number:**

21871-1-AP

**Size:**

550 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG16174

**GenBank Accession Number:**

BC101362

**GeneID (NCBI):**

153129

**UNIPROT ID:**

Q8NBW4

**Full Name:**

solute carrier family 38, member 9

**Calculated MW:**

561 aa, 64 kDa

**Observed MW:**

50-55 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IF-P 1:50-1:500

## Applications

**Tested Applications:**

IF-P, WB, ELISA

**Species Specificity:**

Human, Mouse

**Positive Controls:**

WB : mouse pancreas tissue,

IF-P : mouse brain tissue,

## Background Information

The mTOR complex 1 (mTORC1) protein kinase is a master growth regulator that responds to multiple environmental cues. The lysosomal amino acid transporter SLC38A9 is a physical and functional component of this sensing complex. SLC38A9 (Solute Carrier Family 38 Member 9) was first identified as a potential amino acid transporter belonging to the slc38 family. SLC38A9 has some isoforms: 64,53,57 kDa.

## Storage

**Storage:**

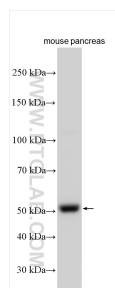
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

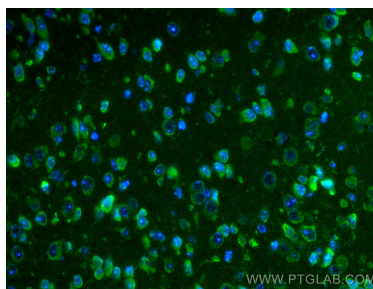
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

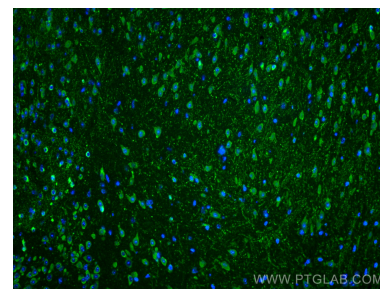
## Selected Validation Data



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 21871-1-AP (SLC38A9 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using SLC38A9 antibody (21871-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using SLC38A9 antibody (21871-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).